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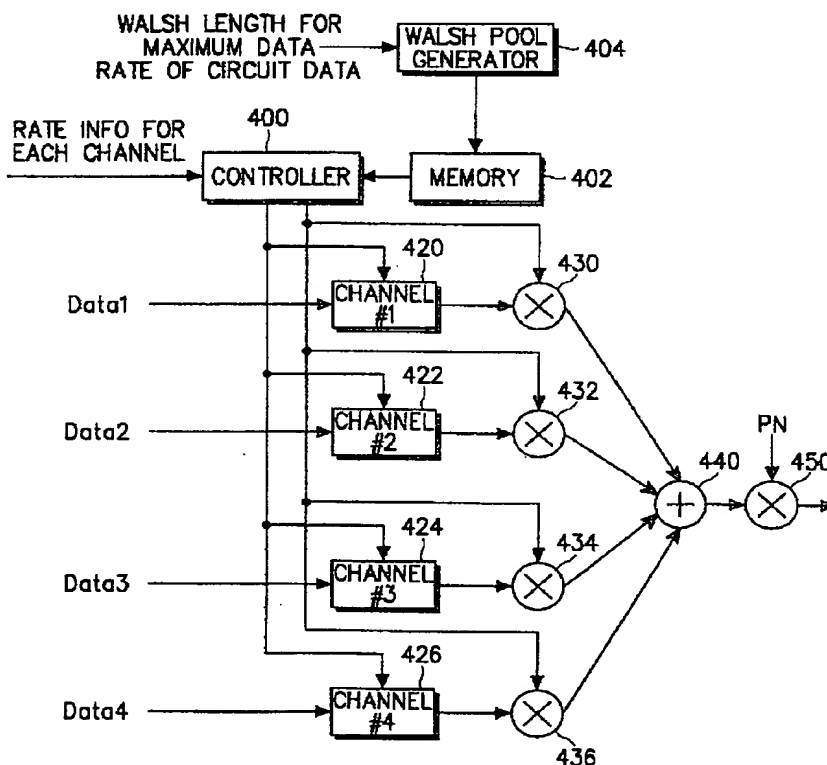
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(54) Titre : AFFECTATION DE CODES ORTHOGONAUX DANS UN SYSTEME DE COMMUNICATION AMDC A
STRUCTURE DE CANAL A DEBIT VARIABLE ET DISPOSITIF A CET EFFET
(54) Title: APPARATUS AND METHOD FOR ALLOCATING ORTHOGONAL CODES IN CDMA COMMUNICATION
SYSTEM HAVING VARIABLE RATE CHANNEL STRUCTURE



(57) Abrégé/Abstract:

A channel spreading device for a CDMA communication system is disclosed. The channel spreading device includes: a storage medium for storing orthogonal code numbers which cannot maintain an orthogonality when an orthogonal code for a maximum

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(57) Abrégé(suite)/Abstract(continued):

data rate is used; a controller for determining whether the respective orthogonal code numbers stored in the storage medium are available at a given data rate, when at least one data user requests data transmission at the given data rate, and outputting the determined available orthogonal code numbers and control signals according to the determination result; a plurality of channel transmitters, provided in association with the orthogonal code numbers from the controller, for spreading data from the data user with an orthogonal code corresponding to the orthogonal code number from the controller; and a plurality of multipliers for multiplying outputs of the channel transmitters by control signals from the controller; a plurality of channel transmission circuits; a storage medium for storing orthogonal code numbers which cannot maintain an orthogonality when an orthogonal code for a maximum data rate is used; a controller for determining whether the respective orthogonal code numbers stored in the storage medium are available at a given data rate, when at least one data user requests data transmission at the given data rate, and outputting the determined available orthogonal code numbers and control signals according to the determination result.

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